

orm PTO-1449

U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
2022/49308Serial No. 10/784,191
Not Yet AssignedApplicant
Cyprian E. Uzoh et al.Filing Date
May 1, 2001Group 1742
Not Yet AssignedJC971 U.S. PTO
99/045262
05/01/01INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
WJ-REV	AA	3,328,273	06-1967	Creutz et al.			
	AB	4,430,173	02-1984	Boudot et al.			
	AC	4,948,474	08-1990	Miljkovic			
	AD	4,954,142	09-1990	Carr et al.			
	AE	4,975,159	12-1990	Dahms			
	AF	5,084,071	01-1992	Nenadic et al.			
	AG	5,256,565	10-1993	Bernhardt et al.			
	AH	5,354,490	10-1994	Yu et al.			
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	AJ	5,681,215	10-1997	Sherwood et al.			
	AK	5,755,859	05-1998	Brusic et al.			
	AL	5,762,544	06-1998	Zuniga et al.			
	AM	5,770,095	06-1998	Sasaki et al.			
	AN	5,773,364	06-1998	Farkas et al.			
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WJ-REV	AQ	WO 98/27585	06-1998	PCT	—	—	
WJ-REV	AR	WO 00/26443	05-2000	PCT	—	—	

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WJ-REV	AS	Joseph M. Steigerwald et al., "Chemical Mechanical Planarization of Microelectronic Materials", A Wiley-Interscience Publication, 1997, by John Wiley & Sons, Inc. pages 212-222. No month
WJ-REV	AT	Robert D. Mikkola et al., "Investigation of the Roles of the Additive Components for Second Generation Copper Electroplating Chemistries Used for Advanced Interconnect Metalization", 2000 IEEE, IEEE Electron Devices Society, Pages 117-119. No date
WJ-REV	AU	James J. Kelly et al., "Leveling and Microstructural Effects of Additives for Copper Electrodeposition", Journal of the Electrochemical Society, 1999, pages 2540-2545. No month

EXAMINER Donald R. ValentineDATE CONSIDERED 5-1-03

W. Leader

✓ 3/26/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

10-1449

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Patent & Trademark OfficeAtty. Docket No.
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May 1, 2001Group 1742
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Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Inner trial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
W	BA	5,807,165	09-1998	Uzoh et al.			
	BB	5,840,629	11-1998	Carpio			
W	BC	5,858,813	01-1999	Scherber et al.			
	BD	5,884,990	03-1999	Burghartz et al.			
	BE	5,897,375	04-1999	Watts et al.			
	BF	5,911,619	06-1999	Uzoh et al.			
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	BI	5,933,753	08-1999	Simon et al.			
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	BN	6,063,506	05-2000	Andricacos et al.			
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	Document	Date	Country	Class	Sub- class	Translation Yes No
	BU					
	BV					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BW	
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	BY	

NER Donald R. Ventme
Wheeler

DATE CONSIDERED

3/10/03
3/26/2007

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10/784,191

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>	Atty. Docket No. 2022/49308	Serial No. 89/845,262
	Applicants Cyprian E. Uzoh et al.	
	Filing Date May 1, 2001	Group 3723 1742

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (appropriate)
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	AB	6,113,759	09-2000	Uzoh	1	1	
	AC	2001/0017258 A1	08-2001	Ishida et al.	1	1	
	AD	US 6,193,859 B1	02-2001	Contolini et al.	1	1	
	AE	US 6,244,942 B1	06-2001	Zuniga	1	1	
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WL	AG	US 6,297,155 B1	10-2001	Simpson et al.	1	1	
	AI						

FOREIGN PATENT DOCUMENTS							
		Document	Date	Country	Class	Sub-Class	Translation Yes No
	AJ						
	AK						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AL						
	AM						
	AN						

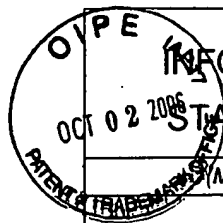
EXAMINER <i>Donald B. Valentine</i>	DATE CONSIDERED 9-13-02
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Sheet 1 of 1

Form PTO-1449		U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. 2022/49308		Serial No. 09/845,262 10/784,191	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Cyprian E. Uzoh et al.		Group 1742	
				Filing Date May 1, 2001		Not Yet Assigned	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
02V/W	AA	6,132,587	10-2000	Jorne et al.			
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FOREIGN PATENT DOCUMENTS							
		Document	Date	Country	Class	Sub-class	Translation Yes No
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AS						
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	AU						
EXAMINER	Donald R. Valentine			DATE CONSIDERED 9-13-02			
	Wheadr			3/26/2007			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/784,191
Filing Date	February 24, 2004
First Named Inventor	Cyprian E. Uzoh
Art Unit	1742
Examiner	William T. Leader
Attorney Docket No.	ASMNUT.130C1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
WL	1	GB 822,605	10/28/1959	Phillips Electrical Industries Limited		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
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Examiner Signature <i>W Leader</i>	Date Considered <i>3/26/2007</i>
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T¹ - Place a check mark in this area when an English language Translation is attached.

10/784,191

Notice of References Cited

Application No.

69/845,262

Applicant(s)

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Examiner

Donald Vabutine

Group Art Unit

1742

Page 1 of 1

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W	A	4,258,316	3/1981	LEIF	324	71CP
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	C					
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10/784,191

Notice of References Cited

Application No.

59/845,262

Applicant(s)

UZOH et al.

Examiner

Donald Valentine

Group Art Unit

1742

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C	6,365,017	4/2002	HONGO et al	204	212
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V		
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* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

3/26/2007

Part of Paper No.